

## WEST Search History

DATE: Wednesday, June 02, 2004

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<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ</i>			
<input type="checkbox"/>	L13	L8 and 167	81
<input type="checkbox"/>	L12	L11 not 110	1
<input type="checkbox"/>	L11	L8 with 203	1
<input type="checkbox"/>	L10	L8 with 202	1
<input type="checkbox"/>	L8	L7 with(muta\$ or variant or modifi\$)	251
<input type="checkbox"/>	L7	gfp with victoria	640
<input type="checkbox"/>	L5	L4 and (muta\$ or variant or modifi\$)	808
<input type="checkbox"/>	L4	gfp and victoria	824
<i>DB=USPT; PLUR=YES; OP=ADJ</i>			
<input type="checkbox"/>	L3	5625048.pn.	1
<input type="checkbox"/>	L2	6319669.pn.	1
<input type="checkbox"/>	L1	6066476.pn.	1

END OF SEARCH HISTORY

\$%^STN;Highlighton= \*\*\*;Highlightoff=\*\*\* ;

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NEWS 4 JAN 27 A new search aid, the Company Name Thesaurus, available in CA/CAplus  
NEWS 5 FEB 05 German (DE) application and patent publication number format changes  
NEWS 6 MAR 03 MEDLINE and LMEDLINE reloaded  
NEWS 7 MAR 03 MEDLINE file segment of TOXCENTER reloaded  
NEWS 8 MAR 03 FRANCEPAT now available on STN  
NEWS 9 MAR 29 Pharmaceutical Substances (PS) now available on STN  
NEWS 10 MAR 29 WPIFV now available on STN  
NEWS 11 MAR 29 New monthly current-awareness alert (SDI) frequency in RAPRA  
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NEWS 13 APR 26 IFIPAT/IFIUDB/IFICDB: New super search and display field available  
NEWS 14 APR 26 LITALERT now available on STN  
NEWS 15 APR 27 NLDB: New search and display fields available  
NEWS 16 May 10 PROUSDDR now available on STN  
NEWS 17 May 19 PROUSDDR: One FREE connect hour, per account, in both May and June 2004  
NEWS 18 May 12 EXTEND option available in structure searching  
NEWS 19 May 12 Polymer links for the POLYLINK command completed in REGISTRY  
NEWS 20 May 17 FRFULL now available on STN  
NEWS 21 May 27 STN User Update to be held June 7 and June 8 at the SLA 2004 Conference  
NEWS 22 May 27 New UPM (Update Code Maximum) field for more efficient patent SDIs in CAplus  
NEWS 23 May 27 CAplus super roles and document types searchable in REGISTRY  
NEWS 24 May 27 Explore APOLLIT with free connect time in June 2004  
  
NEWS EXPRESS MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004  
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=> fil .eliz

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FULL ESTIMATED COST

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=> s gfp and victoria

L1 2386 GFP AND VICTORIA

=> s gfp (5a) victoria

L2 1968 GFP (5A) VICTORIA

=> s l2 (5a) (muta? or modifi? or variant)

9 FILES SEARCHED...

L3 183 L2 (5A) (MUTA? OR MODIFI? OR VARIANT)

=> dup rem l3

PROCESSING COMPLETED FOR L3

L4 68 DUP REM L3 (115 DUPLICATES REMOVED)

=> d 1-10

L4 ANSWER 1 OF 68 MEDLINE on STN DUPLICATE 1

AN 2004101182 IN-PROCESS

DN PubMed ID: 14990950

TI The molecular properties and applications of Anthozoa fluorescent proteins and chromoproteins.

AU Verkhusha Vladislav V; Lukyanov Konstantin A

CS Department of Pharmacology, University of Colorado Health Sciences Center, 4200 East Ninth Avenue, C236, Denver, Colorado 80262, USA.. vlad.verkhusha@uchsc.edu

SO Nature biotechnology, (2004 Mar) 22 (3) 289-96. Journal code: 9604648. ISSN: 1087-0156.

CY United States

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS IN-PROCESS; NONINDEXED; Priority Journals

ED Entered STN: 20040302

Last Updated on STN: 20040313

L4 ANSWER 2 OF 68 MEDLINE on STN DUPLICATE 2

AN 2004198436 MEDLINE

DN PubMed ID: 15095136

TI Fluorescent proteins in poplar: a useful tool to study promoter function and protein localization.

AU Nowak K; Luniak N; Meyer S; Schulze J; Mendel R R; Hansch R

CS Institut fur Pflanzenbiologie, Technische Universitat Braunschweig,  
Braunschweig, Germany.  
SO Plant Biol (Stuttg), (2004 Jan-Feb) 6 (1) 65-73.  
Journal code: 101148926. ISSN: 1435-8603.  
CY Germany: Germany, Federal Republic of  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200405  
ED Entered STN: 20040420  
Last Updated on STN: 20040520  
Entered Medline: 20040519

L4 ANSWER 3 OF 68 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
AN 2003:559312 BIOSIS  
DN PREV200300562343  
TI Mutants of Green Fluorescent Protein.  
AU Evans, Krista [Inventor, Reprint Author]  
CS Germantown, MD, USA  
ASSIGNEE: Invitrogen Corporation  
PI US 6638732 October 28, 2003  
SO Official Gazette of the United States Patent and Trademark Office Patents,  
(Oct 28 2003) Vol. 1275, No. 4. <http://www.uspto.gov/web/menu/patdata.html>  
. e-file.  
ISSN: 0098-1133 (ISSN print).  
DT Patent  
LA English  
ED Entered STN: 26 Nov 2003  
Last Updated on STN: 26 Nov 2003

L4 ANSWER 4 OF 68 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
AN 2003:496353 BIOSIS  
DN PREV200300496438  
TI Fluorescent protein sensors for measuring the pH of a biological sample.  
AU Tsien, Roger Y. [Inventor, Reprint Author]; Miyawaki, Atsushi [Inventor];  
Llopis, Juan [Inventor]  
CS ASSIGNEE: The Regents of the University of California  
PI US 6627449 September 30, 2003  
SO Official Gazette of the United States Patent and Trademark Office Patents,  
(Sep 30 2003) Vol. 1274, No. 5. <http://www.uspto.gov/web/menu/patdata.html>  
. e-file.  
ISSN: 0098-1133 (ISSN print).  
DT Patent  
LA English  
ED Entered STN: 22 Oct 2003  
Last Updated on STN: 22 Oct 2003

L4 ANSWER 5 OF 68 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
AN 2003:422066 BIOSIS  
DN PREV200300422066  
TI Fluorescent protein sensors for measuring the pH of a biological sample.  
AU Tsien, Roger Y. [Inventor, Reprint Author]; Llopis, Juan [Inventor];  
Wachter, Rebekka M. [Inventor]; Remington, S. James [Inventor]  
CS La Jolla, CA, USA  
ASSIGNEE: University of California  
PI US 6608189 August 19, 2003  
SO Official Gazette of the United States Patent and Trademark Office Patents,  
(Aug 19 2003) Vol. 1273, No. 3. <http://www.uspto.gov/web/menu/patdata.html>  
. e-file.  
ISSN: 0098-1133 (ISSN print).  
DT Patent  
LA English  
ED Entered STN: 10 Sep 2003  
Last Updated on STN: 10 Sep 2003

L4 ANSWER 6 OF 68 LIFESCI COPYRIGHT 2004 CSA on STN DUPLICATE 3  
AN 2003:109671 LIFESCI  
TI Expansion of the Genetic Code Enables Design of a Novel 'Gold' Class of  
Green Fluorescent Proteins  
AU Hyun Bae, J.; Rubini, M.; Jung, G.; Wiegand, G.; Seifert, M.H.; Azim,  
M.K.; Kim, J.; Zumbusch, A.; Holak, T.A.; Moroder, L.; Huber, R.; Budisa,  
N.\*  
CS Max-Planck-Institut fur Biochemie, Am Klopferspitz 18A, D-82152  
Martinsried, Germany; E-mail: budisa@biochem.mpg.de  
SO Journal of Molecular Biology [J. Mol. Biol.], (20030516) vol. 328, no. 5,  
pp. 1071-1081.

ISSN: 0022-2836.

DT Journal  
FS G  
LA English  
SL English

L4 ANSWER 7 OF 68 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
AN 2003-06116 BIOTECHDS

TI New mutant *Aequorea victoria* green fluorescent protein sensitive to oxidation-reduction, useful for determining or monitoring redox status and pH in cellular compartment, and as markers for transformation of mammalian cells;

vector-mediated gene transfer and expression in host cell for recombinant protein production for use in disease diagnosis and prognosis

AU REMINGTON J S; HANSON G T

PA UNIV OREGON STATE

PI WO 2002077011 3 Oct 2002

AI WO 2002-US7374 11 Mar 2002

PRAI US 2001-302894 3 Jul 2001; US 2001-275200 12 Mar 2001

DT Patent

LA English

OS WPI: 2003-029911 [02]

L4 ANSWER 8 OF 68 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
AN 2002-12289 BIOTECHDS

TI New autofluorescent fusion protein, useful for determining protease and protease-inhibiting activity, comprises two different proteins linked by protease cleavage site;

green fluorescent protein deRed fusion protein production in *Escherichia coli*

AU KUHLEMANN R; KOLTERMANN A; KETTLING U; SCHWILLE P

PA DIREVO BIOTECH AG

PI WO 2002012543 14 Feb 2002

AI WO 2000-EP9112 7 Aug 2000

PRAI DE 2000-1038382 7 Aug 2000

DT Patent

LA German

OS WPI: 2002-269094 [31]

L4 ANSWER 9 OF 68 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
AN 2003-16582 BIOTECHDS

TI A method for detection of abnormal gene by binding cDNA of green fluorescent protein (GFP) with a DNA of suspected abnormal gene and analysis of the expression fluorescent band with electrophoresis; gene mutation detection for use in disease diagnosis

PA KATAYAMA KAGAKU KOGYO KK

PI JP 2002320483 5 Nov 2002

AI JP 2001-129457 26 Apr 2001

PRAI JP 2001-129457 26 Apr 2001; JP 2001-129457 26 Apr 2001

DT Patent

LA Japanese

OS WPI: 2003-423987 [40]

L4 ANSWER 10 OF 68 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
AN 2003-07684 BIOTECHDS

TI Use of autofluorescent proteins for protecting plants against damaging effects of ultra-violet B radiation, also for characterization of transgenic plants;

the use of autofluorescent protein in transgenic plant construction

AU WIEDENMANN J

PA WIEDENMANN J

PI DE 10124057 21 Nov 2002

AI DE 2001-1024057 16 May 2001

PRAI DE 2001-1024057 16 May 2001; DE 2001-1024057 16 May 2001

DT Patent

LA German

OS WPI: 2003-168764 [17]

=> d 3, 4, 7 ab

L4 ANSWER 3 OF 68 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
AB The present invention provides \*\*\*mutants\*\*\* of the Green Fluorescent

Protein ( \*\*\*GFP\*\*\* ) of *Aequorea victoria*\*\*\*. Specifically provided by the present invention are nucleic acid molecules encoding

mutant GFPs, the mutant GFPs encoded by these nucleic acid molecules, vectors and host cells comprising these nucleic acid molecules, and kits comprising one or more of the above as components. The invention also provides methods for producing these mutant GFPs. The fluorescence of these mutants is observable using fluorescein optics, making the mutant proteins of the present invention available for use in techniques such as fluorescence microscopy and flow cytometry using standard FITC filter sets. In addition, certain of these mutant proteins fluoresce when illuminated by white light, particularly when expressed at high levels in prokaryotic or eukaryotic host cells or when present in solution or in purified form at high concentrations. The mutant GFP sequences and peptides of the present invention are useful in the detection of transfection, in fluorescent labeling of proteins, in construction of fusion proteins allowing examination of intracellular protein expression, biochemistry and trafficking, and in other applications requiring the use of reporter genes.

L4 ANSWER 4 OF 68 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
AB Disclosed are fluorescent protein sensors for measuring the pH of a sample, nucleic acids encoding them, and methods of use. The preferred fluorescent protein sensors are \*\*\*variants\*\*\* of the green fluorescent protein ( \*\*\*GFP\*\*\* ) from Aequorea \*\*\*victoria\*\*\* . Also disclosed are compositions and methods for measuring the pH of a specific region of a cell, such as the mitochondrial matrix or the Golgi lumen.

L4 ANSWER 7 OF 68 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
AB DERWENT ABSTRACT:  
NOVELTY - A \*\*\*mutant\*\*\* Aequorea \*\*\*victoria\*\*\* green fluorescent protein ( \*\*\*GFP\*\*\* ) having a fluorescence spectrum that is sensitive to redox status, where at least one of the residues at position 147 or 149, and at least one of the residues at position 202 or 204, is mutated from the wild-type amino acid to cysteine, is new.  
DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following: (1) an isolated or recombinant nucleic acid molecule encoding the mutant GFP and is functionally linked to a promoter; (2) a host cell comprising the nucleic acid molecule; and (3) analyzing an oxidation-reduction condition of or in a cell, comprising expressing the mutant GFP in the cell and measuring a fluorescence signal from the mutant GFP.

WIDER DISCLOSURE - Also disclosed as new is the kit containing at least one mutant GFP and/or the nucleic acid molecule, including written instructions, in one or more container(s).

BIOTECHNOLOGY - Preferred Protein: The mutant green fluorescent protein is selected from GFPs in which residue 147 and 202, 147 and 204, 149 and 202, and 149 and 204 are each cysteine. The mutant GFP further comprises a mutation at positions 65 and 48, where the mutation is S65T and C48S, respectively. The fluorescence spectrum is also pH sensitive. In addition, the mutant protein comprises mutations N149C, S202C, Q204C and S147C compared to wild-type GFP. The mutant GFP comprises any of the 6 sequences having 238 amino acids fully defined in the specification. Preferred Nucleic Acid: The nucleic acid comprises an expression control sequence. Preferred Host Cell: The host cell is a bacterial cell, a plant cell, an animal cell or a mammalian cell. Preferred Method: In analyzing an oxidation-reduction condition of or in a cell, the mutant GFP is expressed as a fusion protein. The method further comprises analyzing a pH condition of or in the cell using the mutant GFP.

USE - The protein is useful in determining the oxidation-reduction (redox) status of an environment, such as the environment within a cell or subcellular compartment. In addition, the protein may be used in monitoring pH concurrently with the redox status, and as markers for transformation of mammalian cells. The kit may be used for diagnosis or prognosis of a disease or other condition associated with a change in the redox status of the cell or subcellular compartment.

EXAMPLE - No relevant examples given. (70 pages)

=> d 11-20

L4 ANSWER 11 OF 68 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 2002:832828 HCAPLUS  
DN 137:334476  
TI Preparation of green fluorescent protein mutants with enhanced fluorescence for use as reporter proteins  
IN Stubbs, Simon Lawrence John; Jones, Anne Elizabeth; Michael, Nigel Paul; Thomas, Nicholas

PA Amersham Biosciences UK Ltd., UK  
SO PCT Int. Appl., 53 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002085936	A1	20021031	WO 2001-GB4363	20010928
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	GB 2374868	A1	20021030	GB 2001-23288	20010928
	GB 2374868	B2	20030709		
	US 2003175859	A1	20030918	US 2001-967301	20010928
	EP 1381625	A1	20040121	EP 2001-972260	20010928
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
PRAI	GB 2001-9858	A	20010423		
	WO 2001-GB4363	W	20010928		

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 12 OF 68 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 2002:960671 HCAPLUS

DN 138:35759

TI Fluorescent protein sensors containing phosphorylation sites introduced by N-terminal mutagenesis

IN Cubitt, Andrew B.

PA Aurora Biosciences Corporation, USA

SO U.S., 49 pp.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6495664	B1	20021217	US 1998-129192	19980724
	US 2003170767	A1	20030911	US 2002-293580	20021112

PRAI US 1998-129192 A1 19980724

RE.CNT 126 THERE ARE 126 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 13 OF 68 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 2002:841090 HCAPLUS

DN 137:334472

TI Modified green fluorescent protein E2GFP and cDNA and use of E2GFP in optical memory circuits

IN Beltram, Fabio; Cinelli, Riccardo; Ferrari, Aldo; Giacca, Mauro; Pellegrini, Vittorio; Tyagi, Mudit

PA Istituto Nazionale per la Fisica della Materia, Italy; International Centre for Genetic Engineering and Biotechnology

SO Ital. Appl., 53 pp.

CODEN: ITXXCZ

DT Patent

LA Italian

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	IT 2000-T00772	A1	20020204	IT 2000-T0772	20000802
	IT 1320791	B1	20031210		

PRAI IT 2000-T0772 20000802

L4 ANSWER 14 OF 68 MEDLINE on STN

DUPLICATE 8

AN 2002468781 MEDLINE

DN PubMed ID: 12228718

TI A photoactivatable GFP for selective photolabeling of proteins and cells.

AU Patterson George H; Lippincott-Schwartz Jennifer

CS Cell Biology and Metabolism Branch, National Institute of Child Health and Human Development, National Institutes of Health, Bethesda, MD 20892, USA.

SO Science, (2002 Sep 13) 297 (5588) 1873-7.  
Journal code: 0404511. ISSN: 1095-9203.

CY United States

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 200210

ED Entered STN: 20020914  
Last Updated on STN: 20021008  
Entered Medline: 20021004

L4 ANSWER 15 OF 68 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN DUPLICATE 9  
AN 2002:132535 SCISEARCH  
GA The Genuine Article (R) Number: 517PU  
TI Subcellular localization of the homocitrate synthase in *Penicillium chrysogenum*  
AU Banuelos O; Casqueiro J; Steidl S; Gutierrez S; Brakhage A; Martin J F (Reprint)  
CS Univ Leon, Fac Biol, Area Microbiol, E-24071 Leon, Spain (Reprint); Tech Univ Darmstadt, Inst Mikrobiol & Genet, D-64287 Darmstadt, Germany; Inst Biotecnol INBIOTEC, Leon 24006, Spain  
CYA Spain; Germany  
SO MOLECULAR GENETICS AND GENOMICS, (JAN 2002) Vol. 266, No. 5, pp. 711-719.  
Publisher: SPRINGER-VERLAG, 175 FIFTH AVE, NEW YORK, NY 10010 USA.  
ISSN: 1617-4615.

DT Article; Journal  
LA English  
REC Reference Count: 36  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L4 ANSWER 16 OF 68 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 2002:691902 HCAPLUS  
DN 138:133799  
TI Application of fluorescent protein gene to plant research  
AU Niwa, Yasuo  
CS Graduate School of Life and Health Science, Shizuoka Prefectural University, Japan  
SO Fain Kemikaru (2002), 31(14), 13-22  
CODEN: FNKMAU; ISSN: 0913-6150  
PB Shi Emu Shi Shuppan  
DT Journal; General Review  
LA Japanese

L4 ANSWER 17 OF 68 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
AN 2001:427068 BIOSIS  
DN PREV200100427068  
TI Mutant *Aequorea victoria* fluorescent proteins having increased cellular fluorescence.  
AU Pavlakis, George N. [Inventor]; Gaitanaris, George A. [Inventor, Reprint author]; Stauber, Roland H. [Inventor]; Vournakis, John N. [Inventor]  
CS Frederick, MD, USA  
ASSIGNEE: The United States of America as represented by the Secretary of the Department of Health and Human Services, Rockville, MD, USA  
PI US 6265548 July 24, 2001  
SO official Gazette of the United States Patent and Trademark Office Patents, (July 24, 2001) Vol. 1248, No. 4. e-file.  
CODEN: OGUPE7. ISSN: 0098-1133.  
DT Patent  
LA English  
ED Entered STN: 12 Sep 2001  
Last Updated on STN: 22 Feb 2002

L4 ANSWER 18 OF 68 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
AN 2001-04920 BIOTECHDS  
TI Rapid screening method for mycobactericidal activity of chemical germicides that uses *Mycobacterium terrae* expressing a green fluorescent protein gene;  
antibiotic screening using bacterium expressing a high-intensity mutant GFP  
AU Zafer A A; Taylor Y E; \*Sattar S A  
CS Univ.Ottawa  
LO Center for Research on Environmental Microbiology, Faculty of Medicine, University of Ottawa, 451 Smyth Road, Ottawa, Ontario, K1H 8M5, Canada.  
Email: ssattar@uottawa.ca  
SO Appl.Environ.Microbiol.; (2001) 67, 3, 1239-45  
CODEN: AEMIDF ISSN: 0099-2240

DT Journal  
LA English  
  
L4 ANSWER 19 OF 68 MEDLINE on STN DUPLICATE 10  
AN 2002009892 MEDLINE  
DN PubMed ID: 11355338  
TI Four-color flow cytometric detection of retrovirally expressed red, yellow, green, and cyan fluorescent proteins.  
AU Hawley T S; Telford W G; Ramezani A; Hawley R G  
CS Jerome H. Holland Laboratory for the Biomedical Sciences, American Red Cross, Rockville, MD, USA.  
SO BioTechniques, (2001 May) 30 (5) 1028-34.  
Journal code: 8306785. ISSN: 0736-6205.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200112  
ED Entered STN: 20020121  
Last Updated on STN: 20020121  
Entered Medline: 20011204

L4 ANSWER 20 OF 68 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED. DUPLICATE 11  
on STN  
AN 2002020670 EMBASE  
TI Subcellular localization of the homocitrate synthase in penicillium chrysogenum.  
AU Banuelos O.; Casqueiro J.; Steidl S.; Gutierrez S.; Brakhage A.; Martin J.F.  
CS J.F. Martin, Area de Microbiologia, Facultad de Biología, Universidad de Leon, 24071 Leon, Spain. degjmm@unileon.es  
SO Molecular Genetics and Genomics, (2001) 266/5 (711-719).  
Refs: 36  
ISSN: 1617-4615 CODEN: MGGOAA  
CY Germany  
DT Journal; Article  
FS 004 Microbiology  
LA English  
SL English

=> d 21-30

L4 ANSWER 21 OF 68 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN DUPLICATE 12  
AN 2001:509495 SCISEARCH  
GA The Genuine Article (R) Number: 443RH  
TI New green fluorescent protein genes for plant transformation:  
Intron-containing, ER-localized, and soluble-modified  
AU Mankin S L (Reprint); Thompson W F  
CS BASF Plant Sci LLC, POB 13528, 26 Davis Dr, Res Triangle Pk, NC 27709 USA  
(Reprint); N Carolina State Univ, Dept Bot, Raleigh, NC 27695 USA; N  
Carolina State Univ, Dept Genet, Raleigh, NC 27695 USA; N Carolina State  
Univ, Dept Crop Sci, Raleigh, NC 27695 USA  
CYA USA  
SO PLANT MOLECULAR BIOLOGY REPORTER, (MAR 2001) Vol. 19, No. 1, pp. 13-26.  
Publisher: INT SOC PLANT MOLECULAR BIOLOGY, UNIV GEORGIA, DEPT  
BIOCHEMISTRY, ATHENS, GA 30602 USA.  
ISSN: 0735-9640.  
DT Article; Journal  
LA English  
REC Reference Count: 44  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L4 ANSWER 22 OF 68 LIFESCI COPYRIGHT 2004 CSA on STN  
AN 2002:20884 LIFESCI  
TI Mutant Aequorea victoria fluorescent proteins having increased cellular fluorescence  
AU Pavlakis, G.N.; Gaitanaris, G.A.; Stauber, R.H.; Vourakis, J.N.  
CS The United States of America as represented by the Secretary of the  
SO (20010724) . US Patent: 6265548; US CLASS: 530/350.  
DT Patent  
FS Q4  
LA English  
SL English

L4 ANSWER 23 OF 68 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN

AN 2000-13509 BIOTECHDS  
TI Mutant of green fluorescent protein brighter than wild-type green fluorescent protein useful for monitoring gene expression and protein localization;  
the use of mutant Aequorea victoria green fluorescent protein in selection of specific cell line  
AU Cormack B P ; Valdivia R H; Falkow S  
PA Univ.Leland-Stanford-Jr.  
LO Palo Alto, CA, USA.  
PI US 6090919 18 Jul 2000  
AI US 1998-135418 17 Oct 1998  
PRAI US 1998-135418 17 Oct 1998  
DT Patent  
LA English  
OS WPI: 2000-531440 [48]

L4 ANSWER 24 OF 68 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
AN 2001:256510 BIOSIS  
DN PREV200100256510  
TI Fluorescent protein sensors for measuring the pH of a biological sample.  
AU Tsien, Roger Y. [Inventor]; Miyawaki, Atsushi [Inventor, Reprint author]; Llopis, Juan [Inventor]  
CS San Diego, CA, USA  
ASSIGNEE: The Regents of the University of California  
PI US 6140132 October 31, 2000  
SO Official Gazette of the United States Patent and Trademark Office Patents, (Oct. 31, 2000) Vol. 1239, No. 5. e-file.  
CODEN: OGUPE7. ISSN: 0098-1133.  
DT Patent  
LA English  
ED Entered STN: 30 May 2001  
Last Updated on STN: 19 Feb 2002

L4 ANSWER 25 OF 68 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
AN 2000:368929 BIOSIS  
DN PREV200000368929  
TI Mutant Aequorea victoria fluorescent proteins having increased cellular fluorescence.  
AU Pavlakis, George N. [Inventor, Reprint author]; Gaitanaris, George A. [Inventor]; Stauber, Roland H. [Inventor]; Vournakis, John N. [Inventor]  
CS Rockville, MD, USA  
ASSIGNEE: The United States of America as represented by the Secretary of the Department of Health and Human Services  
PI US 6027881 February 22, 2000  
SO Official Gazette of the United States Patent and Trademark Office Patents, (Feb. 22, 2000) Vol. 1231, No. 4. e-file.  
CODEN: OGUPE7. ISSN: 0098-1133.  
DT Patent  
LA English  
ED Entered STN: 30 Aug 2000  
Last Updated on STN: 8 Jan 2002

L4 ANSWER 26 OF 68 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 2000:821580 HCAPLUS  
DN 134:2321  
TI Fluorescent protein sensors for measuring the pH of a biological sample  
IN Tsien, Roger Y.; Llopis, Juan; Wachter, Rebekka M.; Remington, S. James  
PA The Regents of the University of California, USA; The State of Oregon Acting by and Through the State Board of Higher Education  
SO U.S., 51 pp., Cont.-in-part of U. S. Ser. No. 94,359.  
CODEN: USXXAM

DT Patent  
LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6150176	A	20001121	US 1998-172063	19981013
	US 6140132	A	20001031	US 1998-94359	19980609
	WO 9964592	A2	19991216	WO 1999-US12850	19990608
	WO 9964592	A3	20000615		
	W: CA, JP				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	US 6608189	B1	20030819	US 2000-602641	20000622
	US 6627449	B1	20030930	US 2000-704463	20001031
	US 2003212265	A1	20031113	US 2003-457982	20030609

PRAI US 1998-94359 A2 19980609  
US 1998-172063 A 19981013  
US 2000-602641 A1 20000622

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 27 OF 68 WPIDS COPYRIGHT 2004 THOMSON DERWENT on STN  
AN 2001-061725 [07] WPIDS  
DNN N2001-046253 DNC C2001-017200  
TI DNA construct for preparation of fusion product, useful for measuring  
cyclic adenosine monophosphate concentrations.  
DC B04 D16 S03  
IN REYMOND, C D  
PA (RMFD-N) RMF DICTAGENE SA  
CYC 94  
PI WO 2000075332 A2 20001214 (200107)\* EN 33 C12N015-31  
RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ  
NL OA PT SD SE SL SZ TZ UG ZW  
W: AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ  
EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK  
LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG  
SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
AU 2000050754 A 20001228 (200119)  
NO 2001005926 A 20020204 (200223) C12N000-00  
EP 1183366 A2 20020306 (200224) EN C12N015-31  
R: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT  
RO SE SI  
CZ 2001004344 A3 20020515 (200241) C12N015-31  
US 2002110890 A1 20020815 (200256) C12N009-12  
HU 2002001924 A2 20020930 (200272) C12N015-31  
JP 2003501095 W 20030114 (200306) 39 C12N015-09  
ZA 2001009972 A 20030226 (200321) 55 C12N000-00  
US 6573059 B1 20030603 (200339)# C12Q001-48  
NZ 515914 A 20040326 (200425) C12N015-31  
ADT WO 2000075332 A2 WO 2000-EP5158 20000605; AU 2000050754 A AU 2000-50754  
20000605; NO 2001005926 A WO 2000-EP5158 20000605, NO 2001-5926 20011204;  
EP 1183366 A2 EP 2000-935172 20000605, WO 2000-EP5158 20000605; CZ  
2001004344 A3 WO 2000-EP5158 20000605, CZ 2001-4344 20000605; US  
2002110890 A1 Div ex US 2000-586605 20000602, US 2002-119941 20020411; HU  
2002001924 A2 WO 2000-EP5158 20000605, HU 2002-1924 20000605; JP  
2003501095 W WO 2000-EP5158 20000605, JP 2001-502594 20000605; ZA  
2001009972 A ZA 2001-9972 20011204; US 6573059 B1 US 2000-586605 20000602;  
NZ 515914 A NZ 2000-515914 20000605, WO 2000-EP5158 20000605  
FDT AU 2000050754 A Based on WO 2000075332; EP 1183366 A2 Based on WO  
2000075332; CZ 2001004344 A3 Based on WO 2000075332; HU 2002001924 A2  
Based on WO 2000075332; JP 2003501095 W Based on WO 2000075332; NZ 515914  
A Based on WO 2000075332  
PRAI EP 1999-201784 19990604  
IC ICM C12N000-00; C12N009-12; C12N015-09; C12N015-31; C12Q001-48  
ICS C07H021-04; C07K014-37; C07K014-435; C07K019-00; C12N001-00;  
C12N001-20; C12N005-06; C12N015-62; C12P021-02; C12P021-06;  
C12Q001-02; C12Q001-42; C12Q001-68; G01N021-78; G01N033-50;  
G01N033-58

L4 ANSWER 28 OF 68 MEDLINE on STN DUPLICATE 14  
AN 2000384581 MEDLINE  
DN PubMed ID: 10846206  
TI Quantitative detection of *Streptococcus pneumoniae* cells harbouring single  
or multiple copies of the gene encoding the green fluorescent protein.  
AU Acebo P; Nieto C; Corrales M A; Espinosa M; Lopez P  
CS Centro de Investigaciones Biologicas, CSIC, Velazquez, 144, E-28006  
Madrid, Spain.  
SO Microbiology (Reading, England), (2000 Jun) 146 ( Pt 6) 1267-73.  
Journal code: 9430468. ISSN: 1350-0872.  
CY ENGLAND: United Kingdom  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200008  
ED Entered STN: 20000818  
Last Updated on STN: 20000818  
Entered Medline: 20000807

L4 ANSWER 29 OF 68 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN DUPLICATE 15  
AN 2000:901053 SCISEARCH  
GA The Genuine Article (R) Number: 376BK

TI Green fluorescent protein as a visual marker for wheat transformation  
 AU Jordan M C (Reprint)  
 CS AGR & AGRI FOOD CANADA, CEREAL RES CTR, 195 DAFOE RD, WINNIPEG, MB R3T  
 2M9, CANADA (Reprint)  
 CYA CANADA  
 SO PLANT CELL REPORTS, (NOV 2000) Vol. 19, No. 11, pp. 1069-1075.  
 Publisher: SPRINGER-VERLAG, 175 FIFTH AVE, NEW YORK, NY 10010.  
 ISSN: 0721-7714.  
 DT Article; Journal  
 FS LIFE; AGRI  
 LA English  
 REC Reference Count: 27  
 \*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L4 ANSWER 30 OF 68 HCPLUS COPYRIGHT 2004 ACS on STN  
 AN 2000:326866 HCPLUS  
 TI Monitoring intracellular antibiotic resistance using a  
 .beta.-lactamase/EGFP fusion protein.  
 AU Puckett, Libby G.; Lewis, Jennifer C.; Daunert, Sylvia; Bachas, Leonidas  
 G.  
 CS Department of Chemistry, University of Kentucky, Lexington, KY,  
 40506-0055, USA  
 SO Book of Abstracts, 219th ACS National Meeting, San Francisco, CA, March  
 26-30, 2000 (2000), ANYL-074 Publisher: American Chemical Society,  
 Washington, D. C.  
 CODEN: 69CLAC  
 DT Conference; Meeting Abstract  
 LA English

=> d 31-40

L4 ANSWER 31 OF 68 HCPLUS COPYRIGHT 2004 ACS on STN  
 AN 1999:795961 HCPLUS  
 DN 132:31771  
 TI Green fluorescent proteins for measuring intracellular pH in a biological  
 sample  
 IN Tsien, Roger Y.; Llopis, Juan; Wachter, Rebekka M.  
 PA The Regents of the University of California, USA; University of Oregon  
 SO PCT Int. Appl., 89 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9964592	A2	19991216	WO 1999-US12850	19990608
	WO 9964592	A3	20000615		
	W: CA, JP				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	US 6140132	A	20001031	US 1998-94359	19980609
	US 6150176	A	20001121	US 1998-172063	19981013
	US 2003212265	A1	20031113	US 2003-457982	20030609
PRAI	US 1998-94359	A	19980609		
	US 1998-172063	A	19981013		
	US 2000-602641	A1	20000622		

L4 ANSWER 32 OF 68 HCPLUS COPYRIGHT 2004 ACS on STN  
 AN 1999:718875 HCPLUS  
 DN 131:348774  
 TI Tandem fluorescent protein constructs and their preparation for enzyme  
 assays  
 IN Tsien, Roger Y.; Heim, Roger; Cubitt, Andrew  
 PA The Regents of the University of California, USA; Aurora Biosciences  
 Corporation  
 SO U.S., 33 pp., Cont.-in-part of U.S. Ser. No. 594,575.  
 CODEN: USXXAM  
 DT Patent  
 LA English  
 FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5981200	A	19991109	US 1997-792553	19970131
	PT 877805	T	20021031	PT 1997-905667	19970131
	ES 2177939	T3	20021216	ES 1997-905667	19970131

US 2003186229 A1 20031002 US 2001-865291 20010524  
US 2002164674 A1 20021107 US 2002-57505 20020125  
PRAI US 1996-594575 A2 19960131  
US 1997-792553 A1 19970131  
US 1999-396003 B2 19990913

RE.CNT 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 33 OF 68 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 1999:633361 HCAPLUS  
DN 131:269501  
TI Preparation of \*\*\*mutants\*\*\* of fluorescent proteins \*\*\*GFP\*\*\* and  
BFP of Aequorea \*\*\*victoria\*\*\* to improve their intensity and  
thermostability  
IN Osumi, Takashi; Tsukamoto, Toshiaki; Tsukamoto, Noriyo; Yamazaki,  
Masatoshi  
PA Japan  
SO Jpn. Kokai Tokkyo Koho, 16 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 11266883	A2	19991005	JP 1998-375655	19981216
	US 6194548	B1	20010227	US 1998-121539	19980724
	US 2002099170	A1	20020725	US 2001-852000	20010510
PRAI	JP 1998-26418	A	19980123		
	US 1998-121539	A1	19980724		
	US 2000-615655	A3	20000713		

L4 ANSWER 34 OF 68 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN DUPLICATE 16  
AN 1999:558470 SCISEARCH  
GA The Genuine Article (R) Number: 215HZ  
TI Phosphorylation and or presence of serine 37 in the movement protein of  
tomato mosaic tobamovirus is essential for intracellular localization and  
stability in vivo  
AU Kawakami S; Padgett H S; Hosokawa D; Okada Y; Beachy R N; Watanabe Y  
(Reprint)  
CS GRAD SCH ARTS & SCI, DEPT LIFE SCI, MEGURO KU, KOMABA 3-8-1, TOKYO  
1538902, JAPAN (Reprint); GRAD SCH ARTS & SCI, DEPT LIFE SCI, MEGURO KU,  
TOKYO 1538902, JAPAN; TOKYO UNIV AGR & TECHNOL, FAC AGR, TOKYO 1830054,  
JAPAN; TEIKYO UNIV, DEPT BIOSCI, SCH SCI & ENGN, UTSUNOMIYA, TOCHIGI  
3200003, JAPAN; BIOSOURCE TECHNOL INC, VACAVILLE, CA 95688; DANFORTH PLANT  
SCI CTR, ST LOUIS, MO 63105  
CYA JAPAN; USA  
SO JOURNAL OF VIROLOGY, (AUG 1999) Vol. 73, No. 8, pp. 6831-6840.  
Publisher: AMER SOC MICROBIOLOGY, 1325 MASSACHUSETTS AVENUE, NW,  
WASHINGTON, DC 20005-4171.  
ISSN: 0022-538X.  
DT Article; Journal  
FS LIFE  
LA English  
REC Reference Count: 47  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L4 ANSWER 35 OF 68 MEDLINE on STN DUPLICATE 17  
AN 1999269779 MEDLINE  
DN PubMed ID: 10337485  
TI Two-color GFP expression system for C. elegans.  
AU Miller D M 3rd; Desai N S; Hardin D C; Piston D W; Patterson G H; Fleenor  
J; Xu S; Fire A  
CS Vanderbilt University Medical Center, Nashville, TN, USA.  
NC GM37706 (NIGMS)  
MH58332 (NIMH)  
NS26115 (NINDS)  
+  
SO BioTechniques, (1999 May) 26 (5) 914-8, 920-1.  
Journal code: 8306785. ISSN: 0736-6205.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199908  
ED Entered STN: 19990827  
Last Updated on STN: 19990827

Entered Medline: 19990813

L4 ANSWER 36 OF 68 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
AN 1999-07621 BIOTECHDS  
TI Green fluorescent protein facilitates rapid in vivo detection of  
genetically transformed cells;  
sugarcane, maize, lettuce and tobacco transgenic plant construction by  
Agrobacterium tumefaciens or microprojectile particle  
bombardment-mediated reporter gene transfer  
AU Elliott A R; Campbell J A; Dugdale B; Brettell R I S; \*Grof C P L  
CS CSIRO; Univ.Queensland-Technol.; CSIRO-Div.Plant.Ind.  
LO CSIRO Tropical Agriculture, 120 Meiers Road, Indooroopilly, Queensland  
4068, Australia.  
Email: chris.grof@tag.csiro.au  
SO Plant Cell Rep.; (1999) 18, 9, 707-14  
CODEN: PCRPD8 ISSN: 0721-7714  
DT Journal  
LA English

L4 ANSWER 37 OF 68 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN DUPLICATE 18  
AN 1999:714484 SCISEARCH  
GA The Genuine Article (R) Number: 235TG  
TI Construction of a new bacterial cloning vector using a mutant green  
fluorescent protein as an indicator  
AU Dong Y M; Li J D (Reprint); Zhu Z Q  
CS CHINESE ACAD SCI, INST BOT, BEIJING 100093, PEOPLES R CHINA (Reprint);  
CHINESE ACAD SCI, INST BOT, BEIJING 100093, PEOPLES R CHINA  
CYA PEOPLES R CHINA  
SO ACTA BOTANICA SINICA, (MAY 1999) Vol. 41, No. 5, pp. 487-&. Publisher: SCIENCE PRESS, 16 DONGHUANGCHENGEN NORTH ST, BEIJING 100717, PEOPLES R CHINA.  
ISSN: 0577-7496.  
DT Article; Journal  
LA Chinese  
REC Reference Count: 14  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L4 ANSWER 38 OF 68 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
AN 1999-11287 BIOTECHDS  
TI GFPcre fusion vectors with enhanced expression;  
due to recombination with loxP site stimulated by Cre recombinase,  
used to enhance transgene expression  
AU Le Y; Miller J L; \*Sauer B  
CS Oklahoma-Med.Res.Found.; Nat.Inst.Diabetes-Dig.Kidney-Dis.Bethesda  
LO Developmental Biology Program, Oklahoma Medical Research Foundation, 825 NE 13th Street, Oklahoma City, OK 73104, USA.  
Email: sauerb@omrf.ouhsc.edu  
SO Anal.Biochem.; (1999) 270, 2, 334-36  
CODEN: ANBCA2 ISSN: 0003-2697  
DT Journal  
LA English

L4 ANSWER 39 OF 68 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
AN 1999-15379 BIOTECHDS  
TI Green fluorescent protein (GFP) as a marker during pollen development;  
tobacco, *Arabidopsis thaliana* and *Antirrhinum majus* transgenic plant  
construction via vector plasmid-mediated beta-glucuronidase gene  
transfer using particle bombardment  
AU Ottenschlaeger I; Barinova I; Voronin V; Dahl M; Heberle-Bors E; \*Touraev A  
CS Univ.Vienna-Inst.Microbiol.Genet.  
LO Vienna Biocenter, Institute of Microbiology and Genetics, Vienna University, Dr. Bohrgasse 9, A-1030 Vienna, Austria.  
Email: alisher@gem.univie.ac.at  
SO Transgenic Res.; (1999) 8, 4, 279-94  
CODEN: TRSEES ISSN: 0962-8819  
DT Journal  
LA English

L4 ANSWER 40 OF 68 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN DUPLICATE 19  
AN 1999:23813 SCISEARCH  
GA The Genuine Article (R) Number: 150CQ  
TI Impact of deletion of the *Lymantria dispar* nucleopolyhedrovirus PEP gene  
on viral potency: Expression of the green fluorescent protein prevents  
larval liquefaction  
AU Bischoff D S (Reprint); Slavicek J M

CS UNIV SO CALIF, SCH MED, AGRIVAX INC, 2250 ALCAZAR ST, LOS ANGELES, CA  
90033 (Reprint); US FOREST SERV, NE RES STN, FORESTRY SCI LAB, DELAWARE,  
OH 43015  
CYA USA  
SO BIOLOGICAL CONTROL, (JAN 1999) Vol. 14, No. 1, pp. 51-59.  
Publisher: ACADEMIC PRESS INC JNL-COMP SUBSCRIPTIONS, 525 B ST, STE 1900,  
SAN DIEGO, CA 92101-4495.  
ISSN: 1049-9644.  
DT Article; Journal  
FS AGRI  
LA English  
REC Reference Count: 28  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

=> d 41-50

L4 ANSWER 41 OF 68 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
AN 1998-10324 BIOTECHDS  
TI New polypeptides for monitoring changes in molecular environment,  
especially release of synaptic vesicles;  
protein with compartment binding activity and optical signal peptide  
to monitor change in molecular environment, e.g. synaptic vesicle  
release, drug-loaded liposome delivery, etc.  
AU Miesenbock G; Rothman J E; de Angelis D A  
PA Mem.Sloan-Kettering-Cancer-Cent.  
LO New York, NY, USA.  
PI WO 9836081 20 Aug 1998  
AI WO 1998-US2774 13 Feb 1998  
PRAI US 1997-36805 14 Feb 1997; US 1997-38179 13 Feb 1997  
DT Patent  
LA English  
OS WPI: 1998-457118 [39]

L4 ANSWER 42 OF 68 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
AN 1998-07449 BIOTECHDS  
TI New green fluorescent protein mutants excitable with blue or white light;  
recombinant reporter gene expression in host cell  
AU Evans K  
PA Life-Technol.  
LO Rockville, MD, USA.  
PI WO 9821355 22 May 1998  
AI WO 1997-US21662 17 Nov 1997  
PRAI US 1997-970762 14 Nov 1997; US 1996-30935 15 Nov 1996  
DT Patent  
LA English  
OS WPI: 1998-297958 [26]

L4 ANSWER 43 OF 68 WPIDS COPYRIGHT 2004 THOMSON DERWENT on STN  
AN 1998-505643 [43] WPIDS  
CR 2000-531440 [41]  
DNC C1998-152572  
TI DNA encoding mutant green fluorescent pigment proteins - with greater  
fluorescence intensity than wild-type proteins, useful for studying gene  
expression and protein localisation.  
DC B04 D16  
IN CORMACK, B P; FALKOW, S; VALDIVIA, R H  
PA (STRD) UNIV LELAND STANFORD JUNIOR  
CYC 1  
PI US 5804387 A 19980908 (199843)\* 15 C12Q001-68  
ADT US 5804387 A Provisional US 1996-10960P 19960201, US 1997-791332 19970131  
PRAI US 1996-10960P 19960201; US 1997-791332 19970131  
IC ICM C12Q001-68  
ICS C07H021-02; C12N001-20; C12N005-00

L4 ANSWER 44 OF 68 MEDLINE on STN DUPLICATE 22  
AN 1998284012 MEDLINE  
DN PubMed ID: 9618493  
TI Measurement of cytosolic, mitochondrial, and Golgi pH in single living  
cells with green fluorescent proteins.  
AU Llopis J; McCaffery J M; Miyawaki A; Farquhar M G; Tsien R Y  
CS Department of Pharmacology, University of California at San Diego, La  
Jolla, CA 92093-0647, USA.  
NC CA 58689 (NCI)  
NS 27177 (NINDS)  
SO Proceedings of the National Academy of Sciences of the United States of

America, (1998 Jun 9) 95 (12) 6803-8.  
Journal code: 7505876. ISSN: 0027-8424.

CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199807  
ED Entered STN: 19980716  
Last Updated on STN: 19980716  
Entered Medline: 19980709

L4 ANSWER 45 OF 68 HCPLUS COPYRIGHT 2004 ACS on STN  
AN 2000:265170 HCPLUS

DN 133:71300

TI The Renilla luciferase-modified GFP fusion protein is functional in transformed cells

AU Wang, Yubao; Wang, Gefu; O'Kane, Dennis J.; Szalay, Aladar A.

CS Center for Molecular Biology and Gene Therapy, School of Medicine, Loma Linda University, Loma Linda, CA, 92350, USA

SO BioHydrogen, [Proceedings of an International Conference on Biological Hydrogen Production], Waikoloa, HI, June 23-26, 1997 (1998), Meeting Date 1997, 493-499. Editor(s): Zaborsky, Oskar R. Publisher: Plenum Publishing Corp., New York, N. Y.

CODEN: 68VGAH

DT Conference

LA English

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 46 OF 68 MEDLINE on STN DUPLICATE 23  
AN 1998155838 MEDLINE

DN PubMed ID: 9494734

TI PCR-based method for the introduction of mutations in genes cloned and expressed in vaccinia virus.

AU Lorenzo M M; Blasco R

CS Centro de Investigacion en Sanidad Animal, INIA, Valdeolmos, Madrid, Spain.

SO BioTechniques, (1998 Feb) 24 (2) 308-13.  
Journal code: 8306785. ISSN: 0736-6205.

CY United States

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 199804

ED Entered STN: 19980422

Last Updated on STN: 19980422

Entered Medline: 19980410

L4 ANSWER 47 OF 68 HCPLUS COPYRIGHT 2004 ACS on STN

AN 1998:374614 HCPLUS

DN 129:146449

TI Microscopic imagery of mammalian cells expressing an enhanced green fluorescent protein gene

AU Kain, Steven R.; Zhang, Guohong; Gurtu, Vanessa; Kitts, Paul A.

CS Cell Biology and Vectorology Group, CLONTECH Laboratories, Palo Alto, CA, USA

SO Methods in Molecular Biology (Totowa, New Jersey) (1998), 102(Bioluminescence Methods and Protocols), 33-42

CODEN: MMBIED; ISSN: 1064-3745

PB Humana Press Inc.

DT Journal

LA English

RE.CNT 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 48 OF 68 LIFESCI COPYRIGHT 2004 CSA on STN

AN 1999:44782 LIFESCI

TI Expression of a gene for a modified green-fluorescent protein

AU Ward, W.W.; Chalfie, M.

CS Rutgers, the State University of New Jersey

SO (19980421) . US Patent 5741668; US Class: 435/69.1; 435/8; 435/71.1; 435/172.3; 435/189; 435/252.3; 435/252.33; 435/320.1; 536/23.2..

DT Patent

FS W2

LA English

SL English

L4 ANSWER 49 OF 68 HCAPLUS COPYRIGHT 2004 ACS on STN  
 AN 1997:746155 HCAPLUS  
 DN 128:46118  
 TI Mutant Aequorea victoria fluorescent proteins having increased cellular fluorescence  
 IN Pavlakis, George N.; Gaitanaris, George A.; Stauber, Roland H.; Vournakis, John N.  
 PA United States Dept. of Health and Human Services, USA  
 SO PCT Int. Appl., 105 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9742320	A1	19971113	WO 1997-US7625	19970507
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
	US 6027881	A	20000222	US 1996-646538	19960508
	CA 2184763	AA	19971109	CA 1996-2184763	19960904
	AU 9728290	A1	19971126	AU 1997-28290	19970507
	AU 734239	B2	20010607		
	EP 900274	A1	19990310	EP 1997-922686	19970507
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			
	JP 2000509987	T2	20000808	JP 1997-540143	19970507
	US 6265548	B1	20010724	US 2000-503222	20000211
PRAI	US 1996-646538	A	19960508		
	WO 1997-US7625	W	19970507		

L4 ANSWER 50 OF 68 HCAPLUS COPYRIGHT 2004 ACS on STN  
 AN 1997:318169 HCAPLUS  
 DN 126:289007  
 TI Green fluorescent protein GFP mutants with increased fluorescence intensity, recombinant expression of GFP or fusion proteins, and use for assay of metabolic activity such as kinase activity  
 IN Thastrup, Ole; Tullin, Soeren; Poulsen, Lars Kongsbak; Bjoern, Sara Petersen  
 PA Novo Nordisk A/s, Den.; Thastrup, ole; Tullin, Soeren; Poulsen, Lars Kongsbak; Bjoern, Sara Petersen  
 SO PCT Int. Appl., 46 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9711094	A1	19970327	WO 1996-DK51	19960131
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, AZ, BY, KG, KZ, RU, TJ, TM			
	RW:	KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE			
	CA 2232727	AA	19970327	CA 1996-2232727	19960131
	CA 2232727	C	20020326		
	AU 9644829	A1	19970409	AU 1996-44829	19960131
	EP 851874	A1	19980708	EP 1996-900890	19960131
	EP 851874	B1	19990915		
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, SI, LT, LV			
	AT 184613	E	19991015	AT 1996-900890	19960131
	JP 11512441	T2	19991026	JP 1997-512326	19960131
	ES 2139329	T3	20000201	ES 1996-900890	19960131
	US 6172188	B1	20010109	US 1997-819612	19970317
	US 2002107362	A1	20020808	US 2001-872364	20010601
	JP 2004024258	A2	20040129	JP 2003-170625	20030616
PRAI	DK 1995-1065	A	19950922		

JP 1997-512326 A3 19960131  
WO 1996-DK51 W 19960131  
US 1997-819612 A1 19970317  
US 2000-619310 A1 20000719

=> d 50 ab

L4 ANSWER 50 OF 68 HCAPLUS COPYRIGHT 2004 ACS on STN  
AB The present invention relates to fluorescent proteins derived from green fluorescent protein (GFP) or any functional analog thereof, wherein the amino acid in position 1 preceding the chromophore has been mutated to provide an increase of fluorescence intensity. Mutants include F64L, F64T, F64V, F64A, and F64G as well as any of the previous mutants with an addnl. Y66H substitution. Also a variant contg. both F64L and S65T substitutions is included. The GFP variants have increased fluorescence and can be fused with other proteins for use in assays. An example is GFP fusion product with protein kinase. GFP variant genes are useful as reporters to tag organelles or cells, and to measure kinase, dephosphorylation, or other metabolic activities.

=> d 51-60

L4 ANSWER 51 OF 68 MEDLINE on STN DUPLICATE 24  
AN 97420224 MEDLINE  
DN PubMed ID: 9274728  
TI Adenovirus-mediated expression of green fluorescent protein.  
AU de Martin R; Raidl M; Hofer E; Binder B R  
CS Department of Vascular Biology and Thrombosis Research, University of Vienna, Austria.  
SO Gene therapy, (1997 May) 4 (5) 493-5.  
Journal code: 9421525. ISSN: 0969-7128.  
CY ENGLAND: United Kingdom  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199709  
ED Entered STN: 19971008  
Last Updated on STN: 19971008  
Entered Medline: 19970919

L4 ANSWER 52 OF 68 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN DUPLICATE 25  
AN 97:544823 SCISEARCH  
GA The Genuine Article (R) Number: XM528  
TI On/off blinking and switching behaviour of single molecules of green fluorescent protein  
AU Dickson R M; Cubitt A B; Tsien R Y; Moerner W E (Reprint)  
CS UNIV CALIF SAN DIEGO, DEPT CHEM & BIOCHEM 0340, LA JOLLA, CA 92093 (Reprint); UNIV CALIF SAN DIEGO, DEPT CHEM & BIOCHEM 0340, LA JOLLA, CA 92093; AURORA BIOSCI, LA JOLLA, CA 92037; UNIV CALIF SAN DIEGO, DEPT PHARMACOL, LA JOLLA, CA 92093; UNIV CALIF SAN DIEGO, HOWARD HUGHES MED INST 0647, LA JOLLA, CA 92093  
CYA USA  
SO NATURE, (24 JUL 1997) Vol. 388, No. 6640, pp. 355-358.  
Publisher: MACMILLAN MAGAZINES LTD, PORTERS SOUTH, 4 CRINAN ST, LONDON, ENGLAND N1 9XW.  
ISSN: 0028-0836.  
DT Article; Journal  
FS PHYS; LIFE; AGRI  
LA English  
REC Reference Count: 30  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L4 ANSWER 53 OF 68 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN DUPLICATE 26  
AN 97:384995 SCISEARCH  
GA The Genuine Article (R) Number: WY527  
TI 'Green mice' as a source of ubiquitous green cells  
AU Okabe M (Reprint); Ikawa M; Kominami K; Nakanishi T; Nishimune Y  
CS OSAKA UNIV, MICROBIAL DIS RES INST, YAMADAOKA 3-1, SUITA, OSAKA 565, JAPAN (Reprint)  
CYA JAPAN  
SO FEBS LETTERS, (5 MAY 1997) Vol. 407, No. 3, pp. 313-319.  
Publisher: ELSEVIER SCIENCE BV, PO BOX 211, 1000 AE AMSTERDAM, NETHERLANDS.  
ISSN: 0014-5793.

DT Article; Journal  
FS LIFE  
LA English  
REC Reference Count: 15  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L4 ANSWER 54 OF 68 MEDLINE on STN DUPLICATE 27  
AN 97148031 MEDLINE  
DN PubMed ID: 8994663  
TI Tracking and quantitation of retroviral-mediated transfer using a completely humanized, red-shifted green fluorescent protein gene.  
AU Muldoon R R; Levy J P; Kain S R; Kitts P A; Link C J Jr  
CS Gene Therapy Program, HGTRI, Des Moines, IA 50309, USA.  
SO BioTechniques, (1997 Jan) 22 (1) 162-7.  
Journal code: 8306785. ISSN: 0736-6205.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199703  
ED Entered STN: 19970407  
Last Updated on STN: 19970407  
Entered Medline: 19970325

L4 ANSWER 55 OF 68 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
AN 1997:377301 BIOSIS  
DN PREV199799676504  
TI Spectral perturbations of \*\*\*mutants\*\*\* of recombinant Aequorea \*\*\*victoria\*\*\* green-fluorescent protein ( \*\*\*GFP\*\*\* ).  
AU Gonzalez, D.; Sawyers, A.; Ward, W. W.  
CS Dep. Biochemistry Microbiology, Rutgers Univ.-Cook Coll., Lipman Hall, New Brunswick, NJ 08903-0231, USA  
SO Photochemistry and Photobiology, (1997) Vol. 65, No. SPEC. ISSUE, pp. 21s.  
Meeting Info.: 25th Annual Meeting of the American Society for Photobiology. St. Louis, Missouri, USA. July 5-10, 1997.  
CODEN: PHCBAP. ISSN: 0031-8655.  
DT Conference; (Meeting)  
Conference; Abstract; (Meeting Abstract)  
LA English  
ED Entered STN: 4 Sep 1997  
Last Updated on STN: 4 Sep 1997

L4 ANSWER 56 OF 68 HCPLUS COPYRIGHT 2004 ACS on STN  
AN 1996:601742 HCPLUS  
DN 125:241378  
TI Green fluorescent protein variants with altered fluorescence excitation and/or emission spectra and their use in monitoring of gene expression  
IN Tsien, Roger Y.; Heim, Roger  
PA The Regents of the University of California, USA  
SO PCT Int. Appl., 37 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9623810	A1	19960808	WO 1995-US14692	19951113
	W:	AL, AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK			
	RW:	KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
	US 5625048	A	19970429	US 1994-337915	19941110
	CA 2205006	AA	19960808	CA 1995-2205006	19951113
	CA 2205006	C	20010724		
	CA 2343586	AA	19960808	CA 1995-2343586	19951113
	AU 9641550	A1	19960821	AU 1996-41550	19951113
	AU 702205	B2	19990218		
	EP 804457	A1	19971105	EP 1995-939898	19951113
	EP 804457	B1	20010606		
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE			
	JP 10509881	T2	19980929	JP 1995-520626	19951113
	EP 1104769	A2	20010606	EP 2001-105011	19951113
	EP 1104769	A3	20020918		

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE  
PT 804457 T 20010928 PT 1995-939898 19951113  
ES 2159650 T3 20011016 ES 1995-939898 19951113  
JP 3283523 B2 20020520 JP 1996-520626 19951113  
US 5777079 A 19980707 US 1996-753143 19961120  
US 6319669 B1 20011120 US 1997-727452 19970320  
GR 3036264 T3 20011031 GR 2001-401113 20010724  
US 2002123113 A1 20020905 US 2001-24686 20011217  
  
PRAI US 1994-337915 A2 19941110  
CA 1995-2205006 A3 19951113  
EP 1995-939898 A3 19951113  
WO 1995-US14692 W 19951113  
US 1996-727452 A3 19961018  
US 1996-753144 A3 19961120  
US 1998-57995 A1 19980409

L4 ANSWER 57 OF 68 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
AN 1996-11520 BIOTECHDS  
TI Simultaneous fluorescence-activated cell sorter analysis of two distinct transcriptional elements within a single cell using engineered green fluorescent proteins;  
protein engineering for increased brightness; reporter gene transfer to NIH3T3 cell culture  
AU Anderson M T; Tjioe I M; Lorincz M C; Parks D R; Herzenberg L A; Nolan G P; \*Herzenberg L A  
CS Univ.Stanford  
LO Department of Genetics, Stanford University School of Medicine, Stanford, CA 94305, USA.  
SO Proc.Natl.Acad.Sci.U.S.A.; (1996) 93, 16, 8508-11  
CODEN: PNASA6 ISSN: 0027-8424  
DT Journal  
LA English

L4 ANSWER 58 OF 68 MEDLINE on STN DUPLICATE 28  
AN 97113537 MEDLINE  
DN PubMed ID: 8955397  
TI Use of green fluorescent protein to visualize the early events of symbiosis between Rhizobium meliloti and alfalfa (*Medicago sativa*).  
AU Gage D J; Bobo T; Long S R  
CS Department of Biological Sciences, Stanford University, California 94305-5020, USA.  
NC GM16211 (NIGMS)  
GM30962 (NIGMS)  
SO Journal of bacteriology, (1996 Dec) 178 (24) 7159-66.  
Journal code: 2985120R. ISSN: 0021-9193.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199701  
ED Entered STN: 19970219  
Last Updated on STN: 20000303  
Entered Medline: 19970122

L4 ANSWER 59 OF 68 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
AN 1997-00039 BIOTECHDS  
TI Optimized codon usage and chromophore mutations provide enhanced sensitivity with the green fluorescent protein;  
enhanced reporter protein sensitivity and expression in e.g. 293T cell using vector plasmid pS65T-C1, plasmid pGFPmut1-C1 and plasmid pEGFP-C1  
AU Yang T T; Cheng L; \*Kain S R  
CS Clontech-Lab.; Systemix  
LO Cell Biology Group, CLONTECH Laboratories Inc., 1020 East Meadow Circle, Palo Alto, CA 94303-4230, USA.  
Email: srkain@clontech.com  
SO Nucleic Acids Res.; (1996) 24, 22, 4592-93  
CODEN: NARHAD ISSN: 0305-1048  
DT Journal  
LA English

L4 ANSWER 60 OF 68 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
AN 1996-15144 BIOTECHDS  
TI Flow cytometric study of heterologous protein expression synthesis with *Saccharomyces cerevisiae* using the green fluorescent protein;  
Aequorea victoria mutant green fluorescent protein gene cloning in a

AU 1-copy plasmid for use as a reporter gene (conference paper)  
AU De Wulf P; Brambilla L; Porro D  
CS Univ.Milan  
LO Dipartimento di Fisiologia Generali, Sezione Biochimica Comparata,  
Universita degli Studi di Milano, Via Celoria 26, 20133 Milan, Italy.  
SO Meded.Fac.Landbouwet.Rijksuniv.Gent; (1996) 61, 4A, 1341-48  
CODEN: MFLRA3 ISSN: 0368-9697  
DT Applied Biotechnology, 10th Forum, Ghent, Belgium, 26-27 September, 1996.  
LA Journal  
LA English

=> d 61-68

L4 ANSWER 61 OF 68 HCPLUS COPYRIGHT 2004 ACS on STN  
AN 1996:273195 HCPLUS  
DN 124:337808  
TI Tobacco shining mosaic virus  
AU Watanabe, Yuichiro  
CS Dep. Biosci., Teikyo Univ., Utsunomiya, 320, Japan  
SO Tanpakushitsu Kakusan Koso (1996), 41(6), 786-792  
CODEN: TAKKAJ; ISSN: 0039-9450  
PB Kyoritsu  
DT Journal; General Review  
LA Japanese

L4 ANSWER 62 OF 68 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
AN 1996-07505 BIOTECHDS  
TI Use of green fluorescent protein variants to monitor gene transfer and  
expression in mammalian cells;  
retro virus vector-mediated jellyfish green fluorescent protein mutant  
reporter gene transfer and expression monitoring in human fibroblast  
AU Cheng L; Fu J; Tsukamoto A; Hawley R G  
CS Systemix: Toronto-Hosp.; Univ.Toronto  
LO Research Division, Systemix, Inc., Palo Alto, CA 94304, USA.  
Email: lcheng@stem.com  
SO Nat.Biotechnol.; (1996) 14, 5, 606-09 ISSN: 1087-0156  
DT Journal  
LA English

L4 ANSWER 63 OF 68 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
AN 1996-11005 BIOTECHDS  
TI Highly efficient production of GFP and its derivatives in insect cells  
for visual in vitro applications;  
green fluorescent protein, bright mutant or streptavidin fusion  
protein expression in Spodoptera frugiperda or Trichoplusia ni insect  
cell culture for use as a fluorescence reagent  
AU Oker-Bloom C; Orellana A; Keinanen K  
CS VTT-Biotechnol.Food-Res.  
LO VTT Biotechnology and Food Research, P.O. Box 1500, FIN-02044 VTT Espoo,  
Finland.  
Email: christian.oker-bloom@vtt.fi  
SO FEBS Lett.; (1996) 389, 3, 238-43  
CODEN: FEBLAL ISSN: 0014-5793  
DT Journal  
LA English

L4 ANSWER 64 OF 68 LIFESCI COPYRIGHT 2004 CSA on STN  
AN 96:91894 LIFESCI  
TI Engineering green fluorescent protein for improved brightness, longer  
wavelengths ad fluorescence resonance energy transfer  
AU Heim, R.; Tsien, R.Y.\*  
CS Howard Hughes Med. Inst. 0647 and Dep. Pharmacol., Univ. California, San  
Diego, La Jolla, CA 92093-0647, USA  
SO CURR. BIOL., (1996) vol. 6, no. 2, pp. 178-182.  
ISSN: 0960-9822.  
DT Journal  
TC General Review  
FS Q4  
LA English  
SL English

L4 ANSWER 65 OF 68 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
AN 1996-15634 BIOTECHDS  
TI Construction of GFP vectors for use in Gram-negative bacteria other than  
Escherichia coli;

mutant green fluorescent protein reporter gene cloning and expression  
for use e.g. as a genetically engineered microorganism marker in the  
environment

AU Matthysse A G; Stretton S; Dandie C; McClure N C; \*Goodman A E  
CS Univ.North-Carolina; Univ.South-Australia-Flinders  
LO School of Biological Sciences, The Flinders University of South  
Australia, GPO Box 2100, Adelaide 5001, Australia.  
Email: a.goodman@flinders.edu.au  
SO FEMS Microbiol.Lett.; (1996) 145, 1, 87-94  
CODEN: FMLED7 ISSN: 0378-1097  
DT Journal  
LA English

L4 ANSWER 66 OF 68 MEDLINE on STN DUPLICATE 29  
AN 96305135 MEDLINE  
DN PubMed ID: 8707051  
TI Dual color microscopic imagery of cells expressing the green fluorescent  
protein and a red-shifted variant.  
AU Yang T T; Kain S R; Kitts P; Kondepudi A; Yang M M; Youvan D C  
CS Cell Biology Group, CLONTECH Laboratories, Inc., Palo Alto, CA 94303, USA.  
NC GM42645 (NIGMS)  
SO Gene, (1996) 173 (1 Spec No) 19-23.  
Journal code: 7706761. ISSN: 0378-1119.  
CY Netherlands  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199609  
ED Entered STN: 19960919  
Last Updated on STN: 19980206  
Entered Medline: 19960911

L4 ANSWER 67 OF 68 HCAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 30  
AN 1995:887988 HCAPLUS  
DN 123:309905  
TI Recombinant preparation of bioluminescent indicator pre-colenterazine of  
Aequorea victoria  
IN Ward, William; Chalfie, Martin  
PA USA  
SO PCT Int. Appl., 55 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1  
PATENT NO. KIND DATE APPLICATION NO. DATE  
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PI WO 95211191 A1 19950810 WO 1995-US1425 19950203  
W: CA, JP, US  
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE  
US 5741668 A 19980421 US 1995-452295 19950526  
PRAI US 1994-192158 A 19940204

L4 ANSWER 68 OF 68 MEDLINE on STN DUPLICATE 31  
AN 1998298494 MEDLINE  
DN PubMed ID: 9634755  
TI Red-shifted excitation mutants of the green fluorescent protein.  
CM Comment in: Biotechnology (N Y). 1995 Feb;13(2):103. PubMed ID: 9678925  
AU Delagrange S; Hawtin R E; Silva C M; Yang M M; Youvan D C  
CS Palo Alto Institute of Molecular Medicine, Mountain View, CA 94043, USA.  
NC GM42645 (NIGMS)  
SO Bio/technology (Nature Publishing Company), (1995 Feb) 13 (2) 151-4.  
Journal code: 8309273. ISSN: 0733-222X.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Biotechnology  
EM 199807  
ED Entered STN: 19980731  
Last Updated on STN: 19980731  
Entered Medline: 19980717

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FILE 'MEDLINE, SCISEARCH, LIFESCI, BIOTECHDS, BIOSIS, EMBASE, HCAPLUS,  
NTIS, ESBIOBASE, BIOTECHNO, WPIDS' ENTERED AT 16:37:28 ON 02 JUN 2004

L1 2386 S GFP AND VICTORIA  
L2 1968 S GFP (5A) VICTORIA  
L3 183 S L2 (5A) (MUTA? OR MODIFI? OR VARIANT)  
L4 68 DUP REM L3 (115 DUPLICATES REMOVED)

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COST IN U.S. DOLLARS

SINCE FILE ENTRY	TOTAL SESSION
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FULL ESTIMATED COST

135.49 135.70

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE ENTRY	TOTAL SESSION
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CA SUBSCRIBER PRICE

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SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 16:45:51 ON 02 JUN 2004